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APPLICANT: MAE SANGYO KK;

INVENTOR: MAE TETSUO;

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TITLE

: PRODUCTION OF FLAME-RESISTANT CELLULOSE FIBER PRODUCT

ABSTRACT: PROBLEM TO BE SOLVED: To provide a method for producing a durable flame-resistant cellulose fiber product having a flame-resistant performance passing the tobacco law even in the case of a thick cloth such as a cotton blanket or a raised cotton woven fabric, further also having a flame-resistant performance passing the surface flash law and not losing the flame-resistant performance, even when washed.

> SOLUTION: This method for producing a flame-resistant cellulose fiber product consisting mainly of cellulose comprises a process A for preliminarily treating a cellulosic fiber product with a weakly acidic treating liquid (a), a process B for mainly treating the fiber product with a treating liquid (b) containing a water-soluble protein, an inorganic phosphate salt, a water-soluble or dispersible polyfunctional epoxy compound, a methylol-melamine precondensate and a fiber-reactive organic phosphorous compound, a process C for post-treating the fiber product with a treating liquid (c) containing a fiber-reactive organic phosphorous compound and urea, and a process D for neutralizing and washing the treated cellulosic fiber product. The processes A and D are arbitrary processes, and the processes B and C are essential processes.

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